

WEEKLY CROP-WEATHER

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE  
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

RELIEF FROM HOT, HUMID CONDITIONS ARRIVED LATE IN THE WEEK

After several days of hot and humid conditions with heat indices in the 100's, relief arrived on August 9<sup>th</sup>, according to the Minnesota Agricultural Statistics Service. The humidity continued to help limit stress on corn and soybeans. However, rainfall is still needed in the central and southern parts of the state. Crop development may be impeded if rain is not received soon.

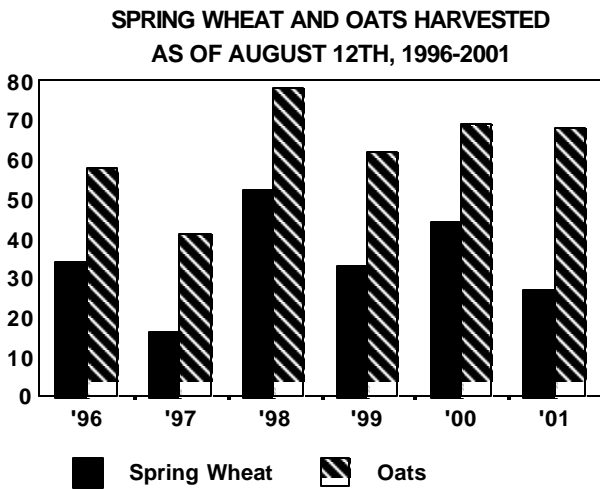
On August 8<sup>th</sup>, another strong storm with high winds and heavy rains in the northern districts caused additional flooding and lodging, as well as property damage.

Statewide topsoil moisture conditions as of August 10<sup>th</sup> were rated 18% very short, 37% short, 38% adequate, and 7% surplus.

Corn in or past milk stage is at 65% as of Sunday, August 12<sup>th</sup>, compared with 76% last year and 65% for the 5-year average. Corn in the dough stage or beyond is at 13%, compared with 34% last year and 22% for the 5-year average. Corn condition is rated 44% good to excellent, compared to last week's rating of 43%.

Soybeans are 98% blooming, versus 99% last year and the 5-year average of 98%. Soybeans have set pods on 66% of the acres, compared to 88% last year and the 5-year average of 75%. The soybean condition rating of good to excellent is 52%, compared to last week's rating of 55%. Soybean aphids are taking a toll on soybeans in the Southeast District.

Spring wheat is 90% turning ripe, compared to 99% a year ago and the 5-year average of 88%. Spring wheat is 27% harvested, versus 44% harvested last year and 36% for the 5-year average. Spring wheat conditions are rated 57% good to excellent. Harvest progress for oats is 68%, barley 46%, and winter wheat 78%.



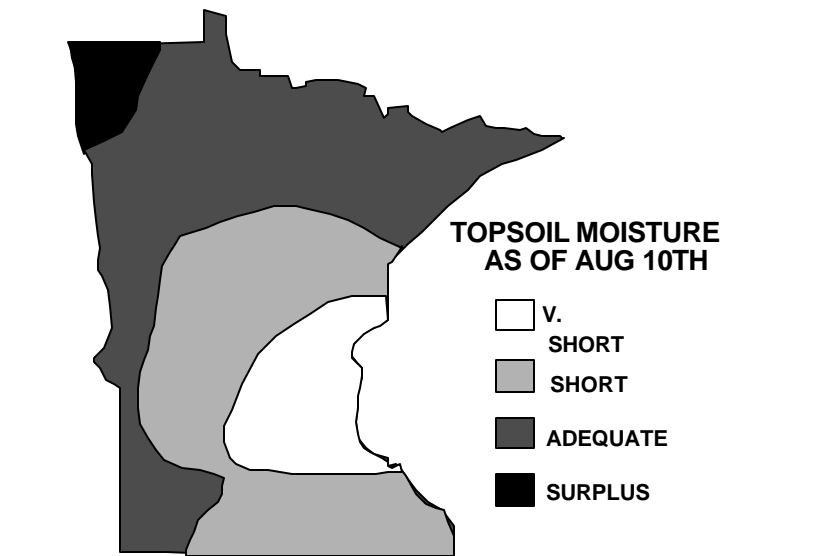
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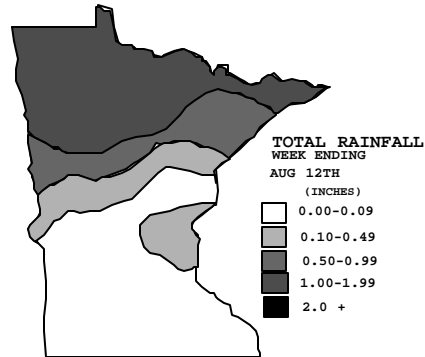
Days Suitable for Fieldwork: 6.2					
		Very Short	Short	Ade-quate	Surplus
Topsoil Moisture (%)		18	37	38	7
Crop Progress as of August 12, 2001					
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week
-----Percent-----					
Corn	Milk	65	76	16	65
	Dough	22	34	NA	13
Soybeans	Blooming	98	99	92	98
	Setting Pods	75	88	37	66
Spring Wheat	Turning Ripe	88	99	86	90
	Harvested	36	44	6	27
Oats	Harvested	62	69	35	68
Barley	Turning Ripe	90	99	88	93
	Harvested	40	65	8	46
Winter Wheat	Harvested	73	75	34	78
Rye	Harvested	81	84	32	86
Sweet Corn	Harvested	25	24	12	24
Canola	Harvested	NA	10	NA	7
Grain/Hay	Stubble Worked	10	14	NA	10
Crop Condition as of August 10 <sup>th</sup>					
	V. Poor	Poor	Fair	Good	Exc.
Pasture	11	21	38	28	2
Corn	4	13	39	40	4
Soybeans	4	10	34	46	6
Spring Wheat	8	12	23	48	9
Barley	7	11	23	51	8
Dry Beans	2	10	24	54	10
Potatoes	2	6	23	43	26
Sunflowers	1	9	19	58	13
Canola	2	5	42	44	7
Sugarbeets	7	9	25	42	17

Processors' sweet corn harvest is 24% complete, compared to 24% last year and 25% for the 5-year average.

Pasture conditions are rated as 30% good to excellent, down from last week's 36%. Quality hay is in short supply and pastures are running out of forage.



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING AUGUST 12, 2001:  
Temperatures averaged from 1.9 degrees above normal in the Northeast District to 8.6 degrees above normal in the East Cental District. Extremes: 39° in Hibbing; 99° in Hutchinson and Minneapolis. Precipitation averaged from 0.92 inch below normal in the South Central and District to 0.83 inch above normal in the North Central District. Greatest weekly total was 1.80 inches.



Precipitation and Temperature Summary for 08/06/2001 through 08/12/2001

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm Since 4/1	Since May 16	Depart from Norm
<u>NW DIST 1</u>										
Crookston	96	49	73.0	3.3	1.65	1.00	4.97	2.75	1543	60
Moorhead	94	48	70.7	-.1	.90	.33	1.30	1.54	1603	32
Warroad	90m	68m	79.0m	12.4m	0m	-.59m	2.86m	7.81m	1298m	8m
<u>NC DIST 2</u>										
Grand Rapids	97	47	69.8	3.7	1.80	.99	-.27m	2.55m	1288m	1m
Intl. Falls	93	46	67.2	1.6	1.26	.57	6.24	7.93	1342	92
Itasca	96	45	71.6	4.6	1.73	.94	.57	1.16	1430	118
<u>NE DIST 3</u>										
Duluth	91	47	69.2	3.8	.45	-.42	-.19	3.89	1241	80
Grand Marais	79	48	64.0	1.0	1.15	.45	1.07	6.28	695	-166
Hibbing	92	39	65.6	1.1	.62	-.20	-.36	-.94	1280	116
<u>WC DIST 4</u>										
Alexandria	94	49	72.4	1.8	0	-.79	.00	-2.05m	1573	-3
Browns Valley	99	51	74.5	2.9	.35	-.23	1.56	4.37	1655	24
Canby	98	51	75.9	2.9	0	-.63	-.06	4.65	1749	-8
Fergus Falls	95	50	74.4	4.1	.25	-.45	.33	4.30	1670	138
Montevideo	97	49	75.2	3.8	0	-.65	.00	4.06	1644	-32
Morris	93	49	73.4	3.4	0	-.76	1.12	5.21	1648	87
<u>CENT DIST 5</u>										
Becker	98	52	76.9	7.9	.31	-.59	-.76	1.79	1676	176
Hutchinson	99	51	77.0	5.9	0	-.84	-1.41	1.00	1734	63
Olivia	96	47	73.2	1.5	0	-.78	-1.68	-.83	1689	-37
St. Cloud	98	48	72.0	3.1	.08	-.80	-.93	3.16	1559	68
Staples	93	47	72.5	4.4	.28	-.37	.28	6.48	1493	87
Willmar	96	51	75.0	4.2	0	-.81	-.78	-.81	1683	44
<u>EC DIST 6</u>										
Aitkin	94	45	71.6	4.1	.04	-.87	-.97	3.23	1470	110
Cambridge	97m	81m	89.0m	19.5m	0m	-.86m	-.70m	4.67m	1463m	-85m
MSP Airport	99	56	77.8	5.5	.04	-.80	-.85	5.43	1810	75
St. Paul - UofM	98	53	78.0	5.1	.58	-.28	-.47	3.74	1808	22
<u>SW DIST 7</u>										
Lamberton	95	48	73.5	2.6	0	-.63	3.60	5.36	1693	-2
Pipestone	95	46	73.2	2.6	.05	-.64	-.36	4.28	1690	89
Redwood Falls	97	49	73.6	1.0	0	-.76	-2.29	-1.30	1716	-72
Worthington	96	51	74.4	4.4	0	-.95	-.63	4.20	1737	111
<u>SC DIST 8</u>										
Faribault	95	50	75.0	4.4	.03	-.89	.11	4.07	1660	24
Waseca	94	46	74.2	4.3	0	-.96	-.28	4.08	1715	98
Winnebago	96	48	74.2	3.6	0	-.92	-1.25	2.79	1707	44
<u>SE DIST 9</u>										
Preston	97	50	76.0	6.8	.02	-.88	-2.01	-.65	1641	108
Red Wing	98	51	76.2	7.4	0	-.90	-.37	.19	1690	199
Rochester	92	49	71.5	1.7	.03	-.86	-1.08	6.60	1600	22
Rosemount	97	51	76.2	6.0	0m	-.90m	-2.01m	-.34m	1671	56
Winona	97	56	77.6	6.7	0	-.80	-.04	2.07	1688	12

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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